



Presented by:

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The problem

The workplace is changing



Open interfaces are built for the new business envi:

The Answer

- A product that
 - Replaces simple interfaces (and may make them simpler)
 - Implements complex workflow
 - Is easily understood, and
 - Can be easily used by Government and support Contractors



Types of System Interactions

	Simple Data Transfer	Complex Enterprise
	 Data-only; no 'conversation' Not real-time Biz process confined to one system Simple, generic business ruffes QMUSIDE the enterprise 	Integration
Customer Needs		 Data & event driven 'conversation' Real or near real-time Biz process spans multiple systems Complex or custom business
Technologi es		rules • WAthiodis e enterprise
Activities	DataMappingFile Transfer	Message BrokeringCross-Product transaction controls
	Transfers Content	Controls Workflow

Electronic Data Interchange

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    02K4B
    20KC0000004583968.7497 0X0X4930AC9C
                                                                                                                                                                                  S23204
    16X00000600110000026AB
                                                                                                                                                      S23204
    21ΔΧΔΔ
    21101
    22AU1A
    22K7A001
    23 1. The purpose of this narrative is to authorize the contractor to use
    Government Furnished the contractor to use the GFP Rotational Tracking Fixture
    P/
    23N 13076050-029 in support of this conract and delivery order.
    25BY
                                                                                                      10W58RGZ
    28BDLESLIE SANDRIDGE
                                                                                                                                        TE2563130137
                                             EMLESLIE.SANDRIDGE@REDSTONE.ARMY.MIL
          AU8970137
    25PO
                                                                                                       10HQ0339
    25SE
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    25C4
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    32DF
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    46100144
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eXtensible Markup Language (XML)

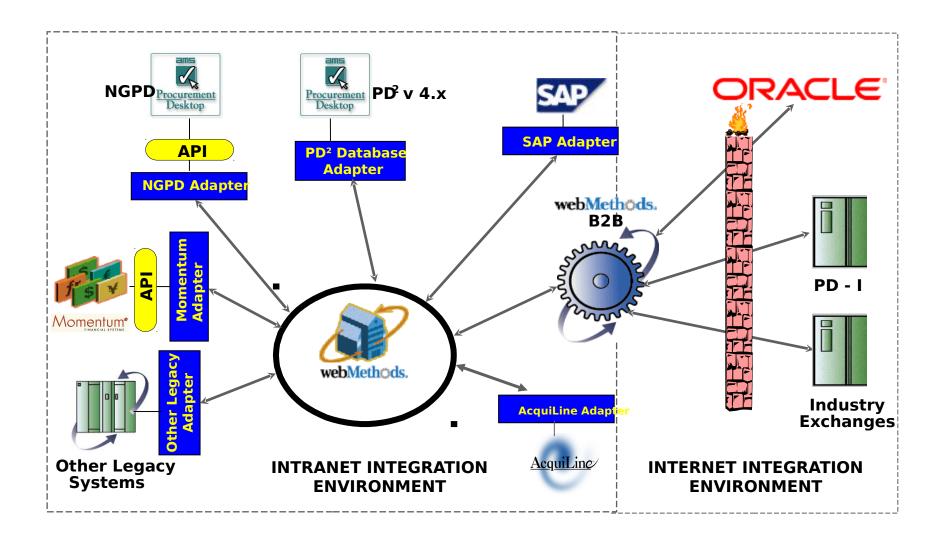
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Enterprise Application Integration (EAI) Tool

- Unrestricted sharing of data and processes
- Message brokering and distribution
- Cross-product and application transactions



PD² Open Architecture





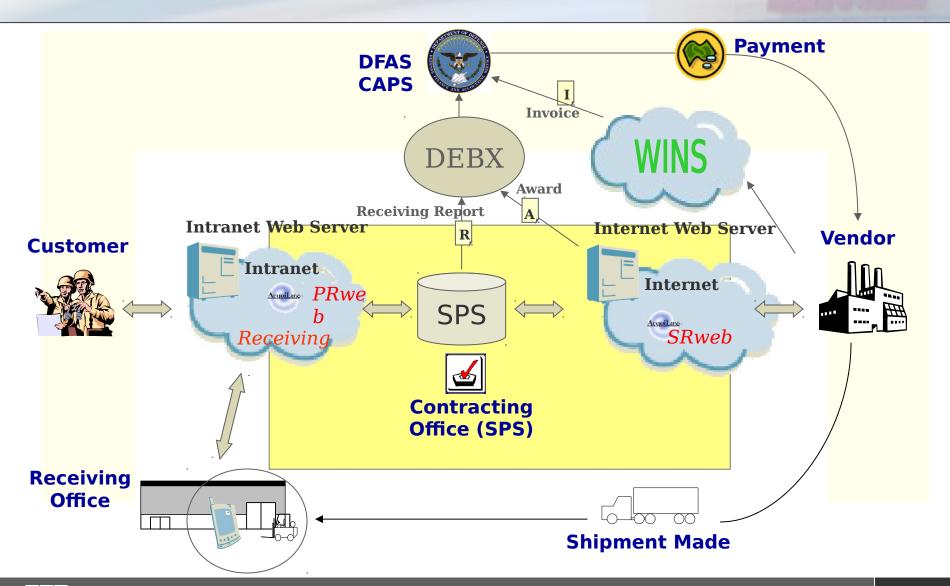


Three Common Scenarios

Problem 1: Exchanging Data with Partners

- Example Army VECO
 - Transferring an award from PD² to the Army payment system, CAPS
- Simple Document Exchange
 - The award is finalized (i.e. released) in PD²
 and then sent to DFAS for processing
 - PD² is not waiting for a response from the CAPS system
 - Translation occurs in between the two systems

Virtual Electronic Contracting Office (VECO)



VECO Translation Process

The DEBX provides the translation between the XML generated by PD² and the file format accepted by CAPS



Benefits:

- •Transformation occurs in the middle, there is no need to change either system.
- Each system is encapsulated from changes in the other system

Problem 2: Eliminating duplicate data entry within your organization

Example – NAVAIR RAPS

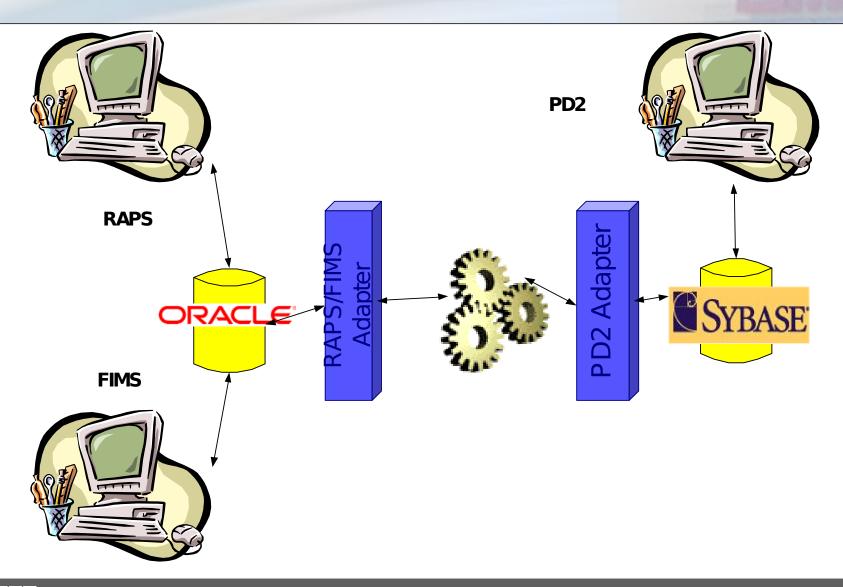
- Inserting an incoming purchase from RAPS into PD²
- Sends the award from PD² to RAPS as the obligation transaction

Key Features

- No translation
 - RAPS adopted the standard PD² XML
- Gov't developed
 - NAVAIR built the RAPS side of the integration inhouse
 - In production in 90 days



PD² - RAPS/FIMS Interface



Problem 3: Tightly integrating two systems into an enterprise workflow

- Example: DLA/BSM
 - Integration between SAP and PD² that includes incoming purchase requests, automated processing, and a two-way obligation check
- Near real time conversations
 - The obligation transaction goes from PD² to SAP to obligate the funding and returns a funding acknowledgement
- Supports a mixed middleware environment
 - Includes both SeeBeyond and webMethods

Solution Overview



- Takes data extracted from SAP and transports to the PD²-SAP Translator
- Takes data files in SAP format and translates into XML format.
- Inserts documents into PD² database, executes edit checks on data, & triggers document completion routines

- Receives data from translator and passes it to SAP load routines
- Takes XML files from PD² and maps fields into appropriate SAP format

 Extracts documents from PD² and transports them to PD²-SAP Translator

Future

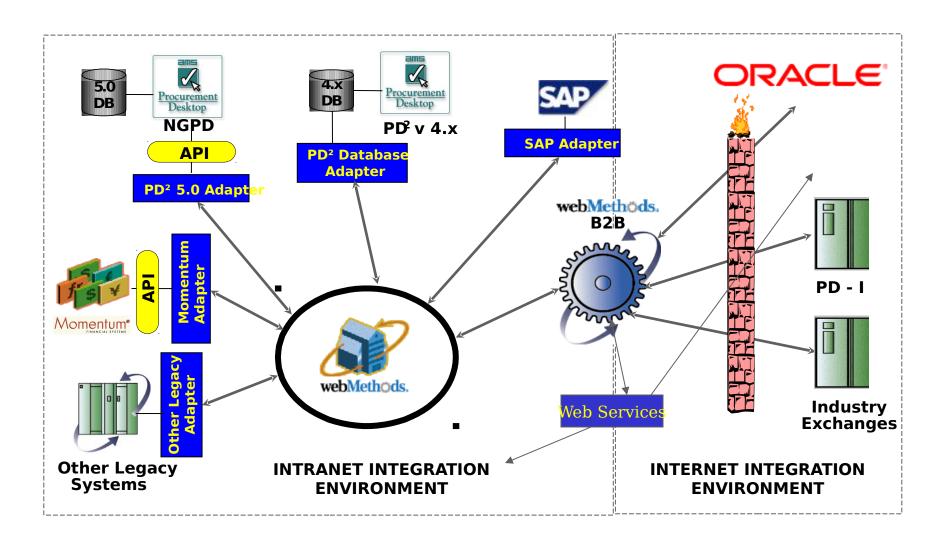




Collaborative work groups

- Ad hoc teams
- Rapid application deployment
- Web service applications

Future Architecture



Questions?

